
Mitofusin 2 Rabbit pAb

Catalog Number: bs-2988R

Target Protein: Mitofusin 2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ELISA (1:5000-10000)

Reactivity: Human, Mouse, Rat (predicted:Pig, Cow, Chicken, Dog, Horse)

Predicted MW: 83 kDa

Subcellular: Cell membrane ,Cytoplasm

Locations:

Entrez Gene: 9927

Swiss Prot: O95140

Source: KLH conjugated synthetic peptide derived from human Mitofusin 2: 1-120/757.

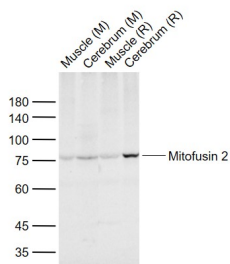
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

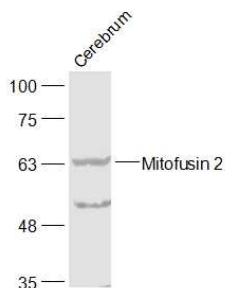
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a mitochondrial membrane protein that participates in mitochondrial fusion and contributes to the maintenance and operation of the mitochondrial network. This protein is involved in the regulation of vascular smooth muscle cell proliferation, and it may play a role in the pathophysiology of obesity. Mutations in this gene cause Charcot-Marie-Tooth disease type 2A2, and hereditary motor and sensory neuropathy VI, which are both disorders of the peripheral nervous system. Defects in this gene have also been associated with early-onset stroke. Two transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008].

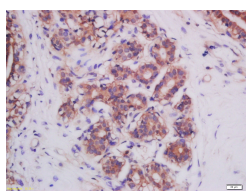
VALIDATION IMAGES



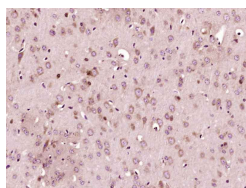
Sample: Lane 1: Mouse Muscle tissue lysates Lane 2: Mouse Cerebrum tissue lysates Lane 3: Rat Muscle tissue lysates Lane 4: Rat Cerebrum tissue lysates Primary: Anti- Mitofusin 2 (bs-2988R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 83 kD Observed band size: 77 kD



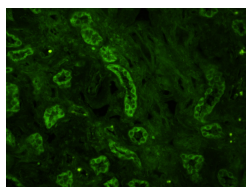
Sample: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti-Mitofusin 2 (bs-2988R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 83 kD Observed band size: 68 kD



Tissue/cell: human breast cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Mitofusin 2 Polyclonal Antibody, Unconjugated(bs-2988R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Mitofusin 2) Polyclonal Antibody, Unconjugated (bs-2988R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Tissue/cell: human kidney tissue;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Mitofusin-2 Polyclonal Antibody, Unconjugated(bs-2988R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, FITC conjugated(bs-0295G-FITC)used at 1:200 dilution for 40 minutes at 37°C.

PRODUCT SPECIFIC PUBLICATIONS

[IF=10.753] Xiaoyu Wang. et al. The key role of proteostasis at mitochondria-associated endoplasmic reticulum membrane in vanadium-induced nephrotoxicity using a proteomic strategy. SCI TOTAL ENVIRON. 2023 Apr;869:161741 WB ; Duck . 36693574

[IF=9.8] Dongliu Luo. et al. Selenium deficiency exacerbated Bisphenol A-induced intestinal toxicity in chickens: Apoptosis and cell cycle arrest mediated by ROS/P53. SCI TOTAL ENVIRON. 2023 Dec;:169730 WB ; Chicken . 38160834

[IF=7.5] Farzaneh Rostamzadeh. et al. Therapeutic effects of the combination of moderate-intensity endurance training and MitoQ supplementation in rats with isoproterenol-induced myocardial injury: The role of mitochondrial fusion, fission, and mitophagy. BIOMED PHARMACOTHER. 2024 Jan;170:116020 IF ; Rat . 38147733

[IF=7.9] Yu-Sheng Shi. et al. Dendrobine rescues cognitive dysfunction in diabetic encephalopathy by inhibiting ferroptosis via activating Nrf2/GPX4 axis. PHYTOMEDICINE. 2023 Jul;:154993 WB ; Mouse . 37567006

[IF=6.513] Zhe Li. et al. Bisphenol A aggravate selenium deficiency-induced apoptosis via miR-215-3p/Dio1 to activate ROS/PI3K/AKT

pathway in chicken arterial. J CELL PHYSIOL. 2023 Apr;; WB ; Chicken . 37012668